

Title (en)
MUTANT ALLERGEN(S)

Title (de)
MUTANTES ALLERGEN/MUTANTE ALLERGENE

Title (fr)
ALLERGÈNES MUTANTS

Publication
EP 1899367 A4 20090624 (EN)

Application
EP 06748101 A 20060609

Priority
• SG 2006000150 W 20060609
• US 68917205 P 20050610

Abstract (en)
[origin: WO2006132607A1] There is provided an isolated polypeptide, derivative, isoform and/or fragment thereof, wherein the polypeptide is a mutant of a Group 5 allergen. There are also provided pharmaceutical composition(s) and vaccine(s) for the treatment of subjects allergic to at least one Group 5 allergen.

IPC 8 full level
A61K 38/17 (2006.01); **A61K 39/35** (2006.01); **A61P 37/08** (2006.01); **C07H 21/00** (2006.01); **C07K 14/435** (2006.01); **C07K 16/18** (2006.01); **C12N 15/74** (2006.01); **C12N 15/86** (2006.01)

CPC (source: EP US)
A61K 39/35 (2013.01 - EP US); **A61P 37/08** (2017.12 - EP); **C07K 14/43531** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Citation (search report)

- [X] LIM L H ET AL: "High-level expression of a codon optimized recombinant dust mite allergen, Blo t 5, in Chinese hamster ovary cells", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 316, no. 4, 16 April 2004 (2004-04-16), pages 991 - 996, XP004496886, ISSN: 0006-291X
- [Y] AKDIS C A ET AL: "REGULATION OF SPECIFIC IMMUNE RESPONSES BY CHEMICAL AND STRUCTURAL MODIFICATIONS OF ALLERGENS", INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY, XX, XX, vol. 121, no. 4, 1 January 2000 (2000-01-01), pages 261 - 269, XP001016273, ISSN: 1018-2438
- [Y] VRTALA S ET AL: "Strategies for converting allergens into hypoallergenic vaccine candidates", METHODS : A COMPANION TO METHODS IN ENZYMOLOGY, ACADEMIC PRESS INC., NEW YORK, NY, US, vol. 32, no. 3, 1 March 2004 (2004-03-01), pages 313 - 320, XP004488982, ISSN: 1046-2023
- [Y] WESTRITSCHNIG KERSTIN ET AL: "Generation of an allergy vaccine by disruption of the three-dimensional structure of the cross-reactive calcium-binding allergen, Phi p 7", JOURNAL OF IMMUNOLOGY, vol. 172, no. 9, 1 May 2004 (2004-05-01), pages 5684 - 5692, XP002525412, ISSN: 0022-1767
- [Y] LIAW ET AL: "Acid-Induced Polymerization of the Group 5 Mite Allergen from Dermatophagoides pteronyssinus", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 285, no. 2, 13 July 2001 (2001-07-13), pages 308 - 312, XP005100782, ISSN: 0006-291X
- [T] CHAN SIEW LEONG ET AL: "Nuclear magnetic resonance structure and IgE epitopes of Blo t 5, a major dust mite allergen", JOURNAL OF IMMUNOLOGY, vol. 181, no. 4, August 2008 (2008-08-01), pages 2586 - 2596, XP002525413, ISSN: 0022-1767
- [A] DATABASE EMBL [online] 20 May 2001 (2001-05-20), "Sequence 19 from patent US 6187321.", XP002525414, retrieved from EBI accession no. EMBL:AR129422 Database accession no. AR129422 & US 6087128 A 20000711 - NOLAN LISA K [US], et al
- [A] AALBERSE R C: "Structural biology of allergens", JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, MOSBY - YEARLY BOOK, INC, US, vol. 106, no. 2, 1 August 2000 (2000-08-01), pages 228 - 238, XP002343238, ISSN: 0091-6749
- [A] THOMAS W R ET AL: "CHARACTERIZATION AND IMMUNOBIOLOGY OF HOUSE DUST MITE ALLERGENS", INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY, XX, XX, vol. 129, no. 1, 1 September 2002 (2002-09-01), pages 1 - 18, XP009032860, ISSN: 1018-2438
- See references of WO 2006132607A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006132607 A1 20061214; EP 1899367 A1 20080319; EP 1899367 A4 20090624; US 2009130130 A1 20090521

DOCDB simple family (application)
SG 2006000150 W 20060609; EP 06748101 A 20060609; US 91689506 A 20060609